

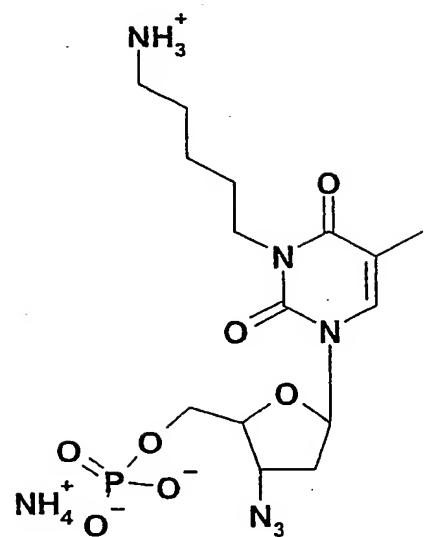
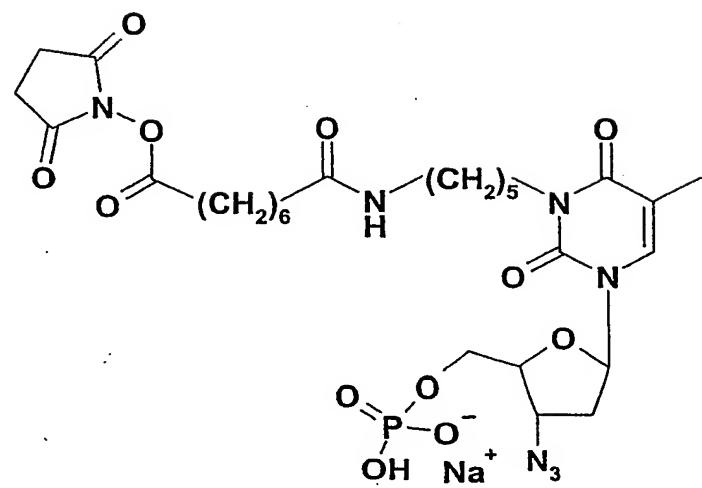
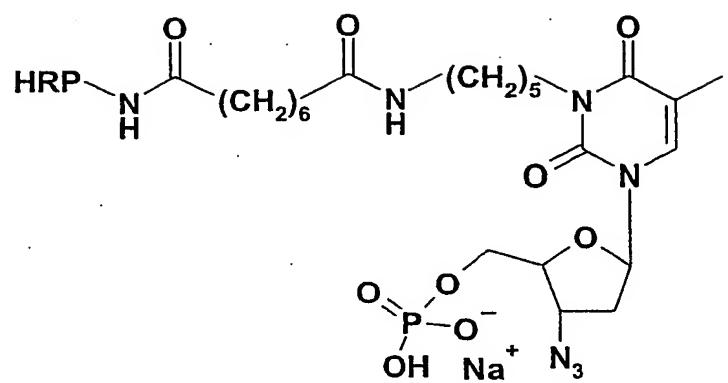
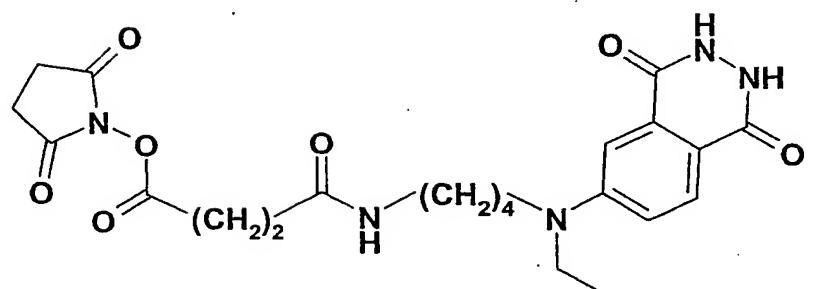
Fig. 1a**Fig. 1b**

Fig. 1c**Fig. 1d**

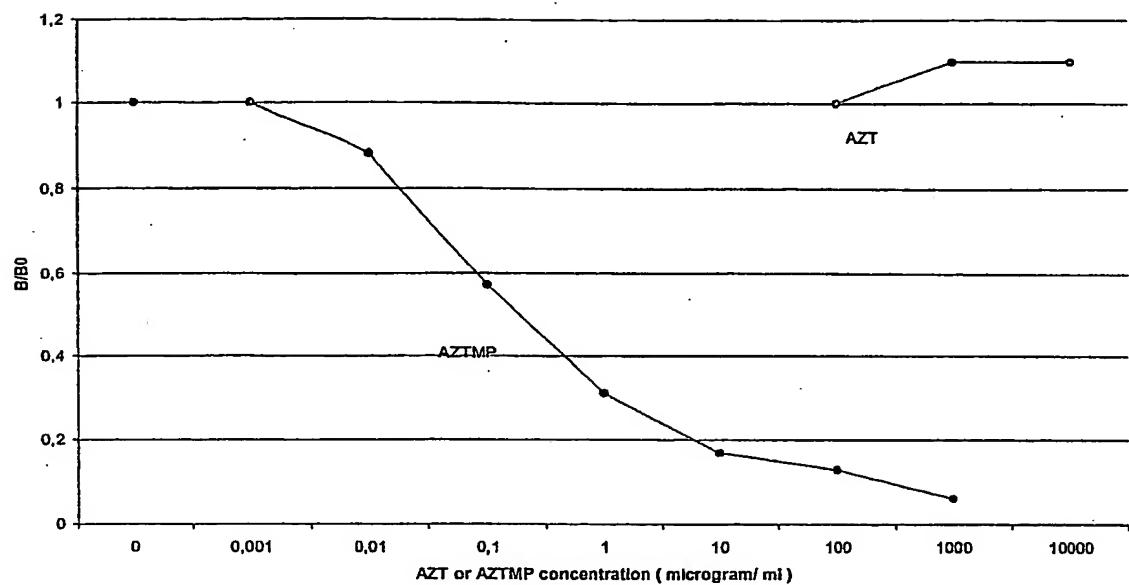
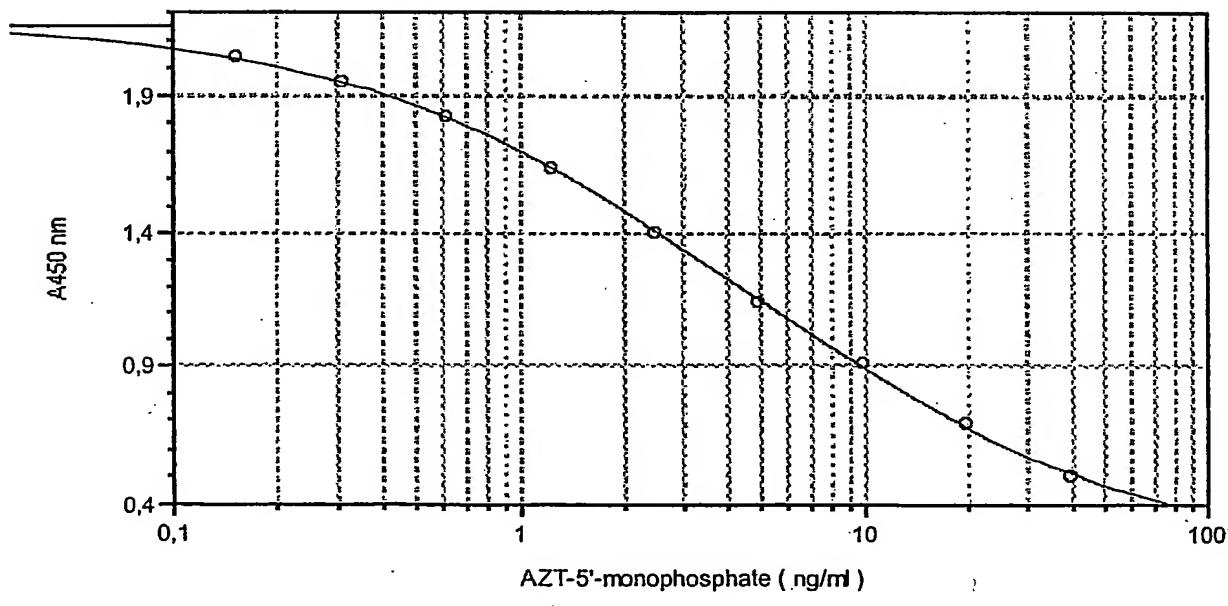


Fig. 2



$$y = \frac{(A - D)}{(1 + (x/C)^B)} + D; \quad A = 2,153, \quad B = 0,786, \quad C = 4,523, \quad D = 0,21, \quad R^2 = 1$$

○ Std (Standards: Concentration vs MeanValue)

Fig. 3

10/522870

WO 2004/013630

CT/EP2003/007547

- 4 / 5 -

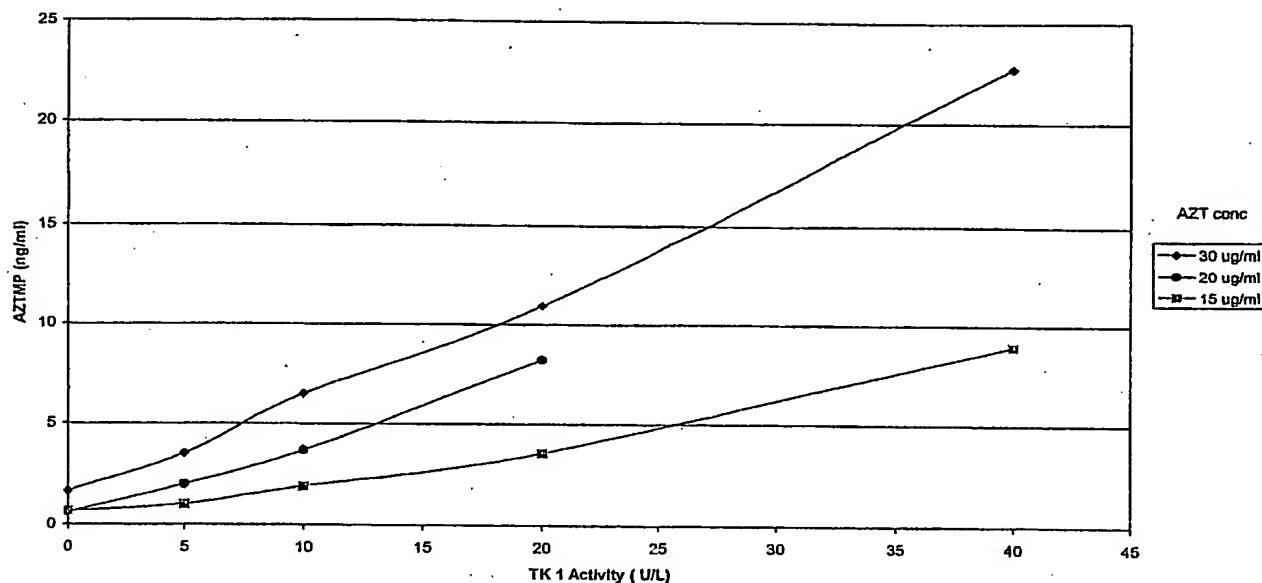


Fig. 4

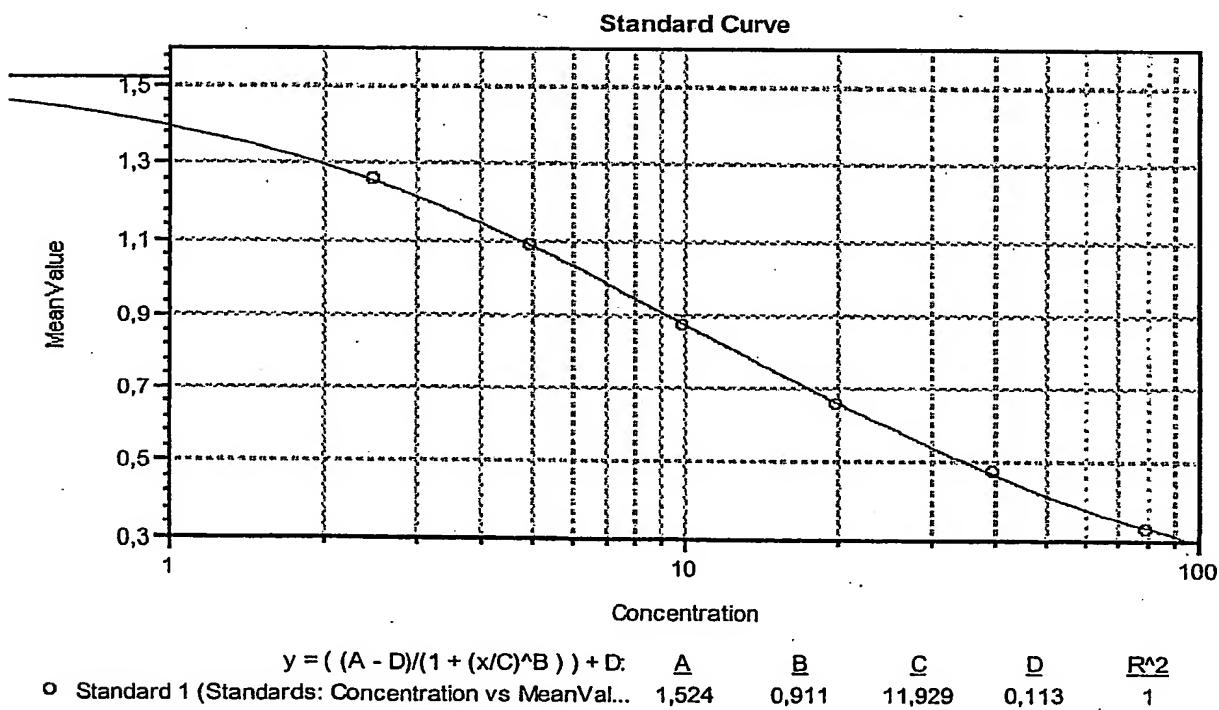


Fig. 5

10/522870

WO 2004/013630

CT/EP2003/007547

- 5 / 5 -

Linear regression

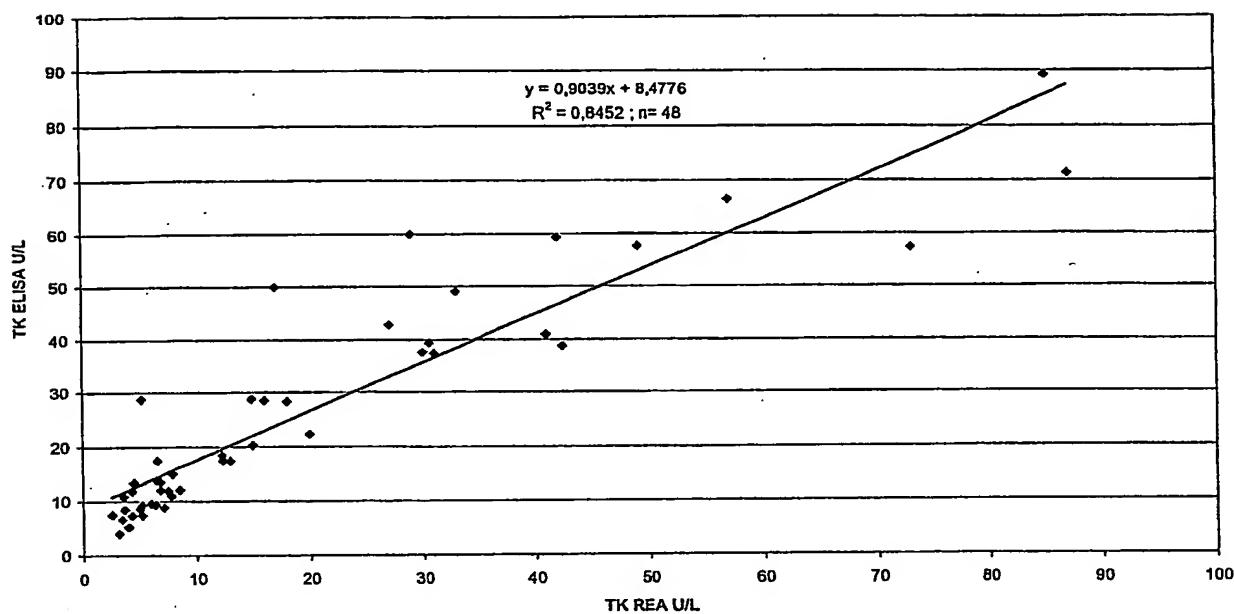


Fig. 6

Rec'd PCT/PTO 26 JAN 2005

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/07547A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/573 G01N33/574 C12Q1/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95 04758 A (UNIV BRIGHAM YOUNG) 16 February 1995 (1995-02-16) cited in the application the whole document	1-19
A	EP 0 094 923 A (GRONOWITZ JAN SIMON ;KALLANDER CLAS FREDRIK RUNESSO (SE)) 23 November 1983 (1983-11-23) cited in the application the whole document	1-19

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

13 November 2003

Date of mailing of the International search report

15/12/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Döpfer, K-P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/07547

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GOUJON L ET AL: "Monitoring of intracellular levels of 5'-monophosphate-AZT using an enzyme immunoassay" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 218, no. 1-2, 1 September 1998 (1998-09-01), pages 19-30, XP004146529 ISSN: 0022-1759 cited in the application the whole document</p> <p>—</p>	1-19
A	<p>KUROIWA N ET AL: "Specific recognition of cytosolic thymidine kinase in the human lung tumor by monoclonal antibodies raised against recombinant human thymidine kinase" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 253, no. 1-2, 1 July 2001 (2001-07-01), pages 1-11, XP004241355 ISSN: 0022-1759 the whole document</p> <p>—</p>	1-3, 7-10
A	<p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; January 2001 (2001-01)</p> <p>D'CRUZ OSMOND J ET AL: "Thymidine kinase-independent intracellular delivery of bioactive nucleotides by aryl phosphate derivatives of bromo-methoxy zidovudine (compounds WHI-05 and WHI-07) in normal human female genital tract epithelial cells and sperm" Database accession no. PREV200100099778 XP002225459 cited in the application abstract & BIOLOGY OF REPRODUCTION, vol. 64, no. 1, January 2001 (2001-01), pages 51-59, ISSN: 0006-3363</p> <p>—</p>	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 03/07547

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9504758	A 16-02-1995		AT 239784 T AU 675872 B2 AU 7559694 A CA 2173834 A1 DE 69432645 D1 EP 1142991 A2 EP 0785993 A1 WO 9504758 A1 US 5698409 A US 2002188411 A1	15-05-2003 20-02-1997 28-02-1995 16-02-1995 12-06-2003 10-10-2001 30-07-1997 16-02-1995 16-12-1997 12-12-2002
EP 0094923	A 23-11-1983		SE 453514 B AT 33504 T AU 551176 B2 AU 1554083 A CA 1199858 A1 DE 3376272 D1 DK 16384 A EP 0094923 A2 ES 8402876 A1 FI 840134 A ,B, JP 5001000 B JP 59500796 T NO 840117 A ,B, SE 8203041 A WO 8304054 A1 US 4637977 A	08-02-1988 15-04-1988 17-04-1986 02-12-1983 28-01-1986 19-05-1988 13-01-1984 23-11-1983 16-05-1984 13-01-1984 07-01-1993 10-05-1984 13-01-1984 15-11-1983 24-11-1983 20-01-1987